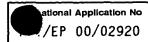


### **INTERNATIONAL SEARCH REPORT**

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference		f Transmittal of International Search Heport 20) as well as, where applicable, item 5 below.
RE/B45181		(Earliest) Priority Date (day/month/year)
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/EP 00/02920	04/04/2000	19/04/1999
Applicant		
SMITHKLINE BEECHAM BIOLOG	ICALS SA	
This International Search Report has been according to Article 18. A copy is being tra	n prepared by this International Searching Auth	nority and is transmitted to the applicant
This International Search Report consists		
X It is also accompanied by	a copy of each prior art document cited in this	report.
Basis of the report		
	international search was carried out on the bases otherwise indicated under this item.	sis of the international application in the
the international search w Authority (Rule 23.1(b)).	as carried out on the basis of a translation of the	ne international application furnished to this
		ternational application, the international search
was carried out on the basis of the contained in the internation	nal application in written form.	
I <del></del>	rnational application in computer readable form	n.
furnished subsequently to	this Authority in written form.	
furnished subsequently to	this Authority in computer readble form.	
	sequently furnished written sequence listing d s filed has been furnished.	oes not go beyond the disclosure in the
the statement that the info furnished	rmation recorded in computer readable form is	s identical to the written sequence listing has been
2. X Certain claims were four	nd unsearchable (See Box I).	
3. Unity of Invention is lac	king (see Box II).	
4. With regard to the <b>title</b> ,	•	
the text is approved as su	bmitted by the applicant.	
The text has been establis	hed by this Authority to read as follows:	
ADJUVANT COMPOSITION COLIGONUCLEOTIDE	COMPRISING SAPONIN AND AN I	1MUNOSTIMULATORY
5. With regard to the abstract,		
the text is approved as su	bmitted by the applicant.	
	hed, according to Rule 38.2(b), by this Authorited date of mailing of this international search rep	
6. The figure of the <b>drawings</b> to be publ	ished with the abstract is Figure No.	
as suggested by the appli	cant.	X None of the figures.
because the applicant fail	ed to suggest a figure.	
because this figure better	characterizes the invention.	

## INTERMATIONAL SEARCH REPORT



A. CLASSIFICATION OF SUBJECT MATTER IPC 7 A61K39/00 A61K39/39

A61P37/08 A61P25/28 A61P31/04 A61P31/12

A61P35/00

According to International Patent Classification (IPC) or to both national classification and IPC

#### **B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

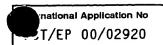
STRAND, EPO-Internal, BIOSIS, WPI Data, PAJ, MEDLINE, CANCERLIT, AIDSLINE, CHEM ABS Data, EMBASE, SCISEARCH

Category °	Citation of document, with indication, where appropriate, of the	ne relevant passages	Relevant to claim No.
	Grador of Goodmon, Maringleador, Miero appropriate, et a		
X	WO 98 56415 A (AQUILA BIOPHARM RESEARCH FOUNDATION (US)) 17 December 1998 (1998-12-17) cited in the application	I INC ; UAB	1-3, 8-22,24, 26-29
Y	the whole document especially 18 - page 11 line 13	page 10 line	4-7,23, 25
Y	WO 98 18810 A (UNIV IOWA RES F JOEL N (US); KRIEG ARTHUR M (U 7 May 1998 (1998-05-07) the whole document especially lines 16-20	(\$))	4-7,23, 25
Υ	EP 0 855 184 A (HEEG KLAUS PRO;LIPFORD GRAYSON B DR (DE); WA PROF) 29 July 1998 (1998-07-29 the whole document	GNER HERMANN	4-7,23, 25
X Funti	ner documents are listed in the continuation of box C.	Patent family members are liste	ed in annex.
"A" docume consid "E" earlier of filing d "L" docume which citatior "O" docume other r "P" docume	ont which may throw doubts on priority claim(s) or is cited to establish the publication date of another on or other special reason (as specified) ent referring to an oral disclosure, use, exhibition or	"T" later document published after the in or priority date and not in conflict will cited to understand the principle or invention  "X" document of particular relevance; the cannot be considered novel or canninvolve an inventive step when the cannot be considered to involve an document is combined with one or ments, such combination being obvin the art.  "&" document member of the same pater	th the application but theory underlying the e claimed invention to be considered to document is taken alone e claimed invention inventive step when the more other such docu- ious to a person skilled
Date of the	actual completion of the international search	Date of mailing of the international s	search report
18	8 October 2000	26/10/2000	
Name and n	nailing address of the ISA  European Patent Office, P.B. 5818 Patentlaan 2  NL - 2280 HV Rijswijk  Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,	Authorized officer Stein, A	

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## INTERNATIONAL SEARCH REPORT





C.(Continue	ation) DOCUMENTS CONSIDERED TO BE RELEVANT	
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to daim No.
Y	WO 98 37919 A (UNIV IOWA RES FOUND) 3 September 1998 (1998-09-03) the whole document	5
A	KLINMAN D M: "Therapeutic applications of CpG -containing oligodeoxynucleotides" ANTISENSE & NUCLEIC ACID DRUG DEVELOPMENT, US, MARY ANN LIEBERT, INC., NEW YORK, vol. 8, 1998, pages 181-184, XP002128519 ISSN: 1087-2906 the whole document	1,4-7, 23-29
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